

PQM 201A

Intermediate Production, Quality and Manufacturing, Part A

This journeyman-level course exposes students to manufacturing and quality processes, production scheduling and control techniques, surveillance activities, and systems-level production and quality planning. Course content includes the contracting aspects of the job; planning for manufacturing and quality; lean concepts; material control; and technical, ethical, and quality issues.

Objectives: Students who successfully complete this course will be able to:

- review integrated management plans for manufacturing and quality requirements;
- understand the technical aspects of cost estimating, activity-based costing, and physical progress reviews;
- identify the concepts that apply to lean manufacturing, the theory of constraints, and other production management and material control techniques; and
- address issues related to quality audits, nonconforming material, and other quality topics.

Who Should Attend: This course is required for Level II certification in Production, Quality, and Manufacturing; it is also for production, quality, or engineering personnel providing pre- or post-award technical support.

Prerequisites: ACQ 201B and PQM 101

Recommended: At least 2 years of production or quality management experience after Level I certification.

Length: This is a nonresident, self-paced course available through the Internet. Students must pass the final examination within 60 calendar days of the start date.

Method of Delivery: Distance Learning—See “Online Courses” on page 12



PDS Code: BZK

PQM 201B

Intermediate Production, Quality and Manufacturing, Part B

This journeyman-level course requires students to apply the manufacturing and quality planning processes and techniques learned in PQM 201A. Students will work in integrated product teams to develop manufacturing and quality plans, apply lean techniques, apply cost estimating techniques, and make progress payment recommendations based on completion of a physical progress review. Course content includes the contracting aspects of the job; planning for manufacturing and quality; lean concepts; material control; and technical, ethical, and quality issues.

Objectives: Students who successfully complete this course will be able to:

- apply production and quality requirements of the Federal Acquisition Regulation (FAR) and Defense FAR Supplement (DFARS);
- prepare and review integrated management plans for manufacturing and quality requirements;
- audit a supplier's quality manual against a commercial quality standard; and
- apply the concepts of lean manufacturing, theory of constraints, and other production management tools.

Who Should Attend: This course is required for Level II certification in Production, Quality, and Manufacturing; it is also for production, quality, or engineering personnel providing pre- or post-award technical support.

Prerequisite: PQM 201A

Recommended: At least 2 years of production or quality management experience after Level I certification.

Length: 5 class days

Method of Delivery: Resident/Local



PDS Code: BZL